

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **8SNLED-LD5-61SL-SLW-UNV-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27403)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-61SL-SLW-UNV-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

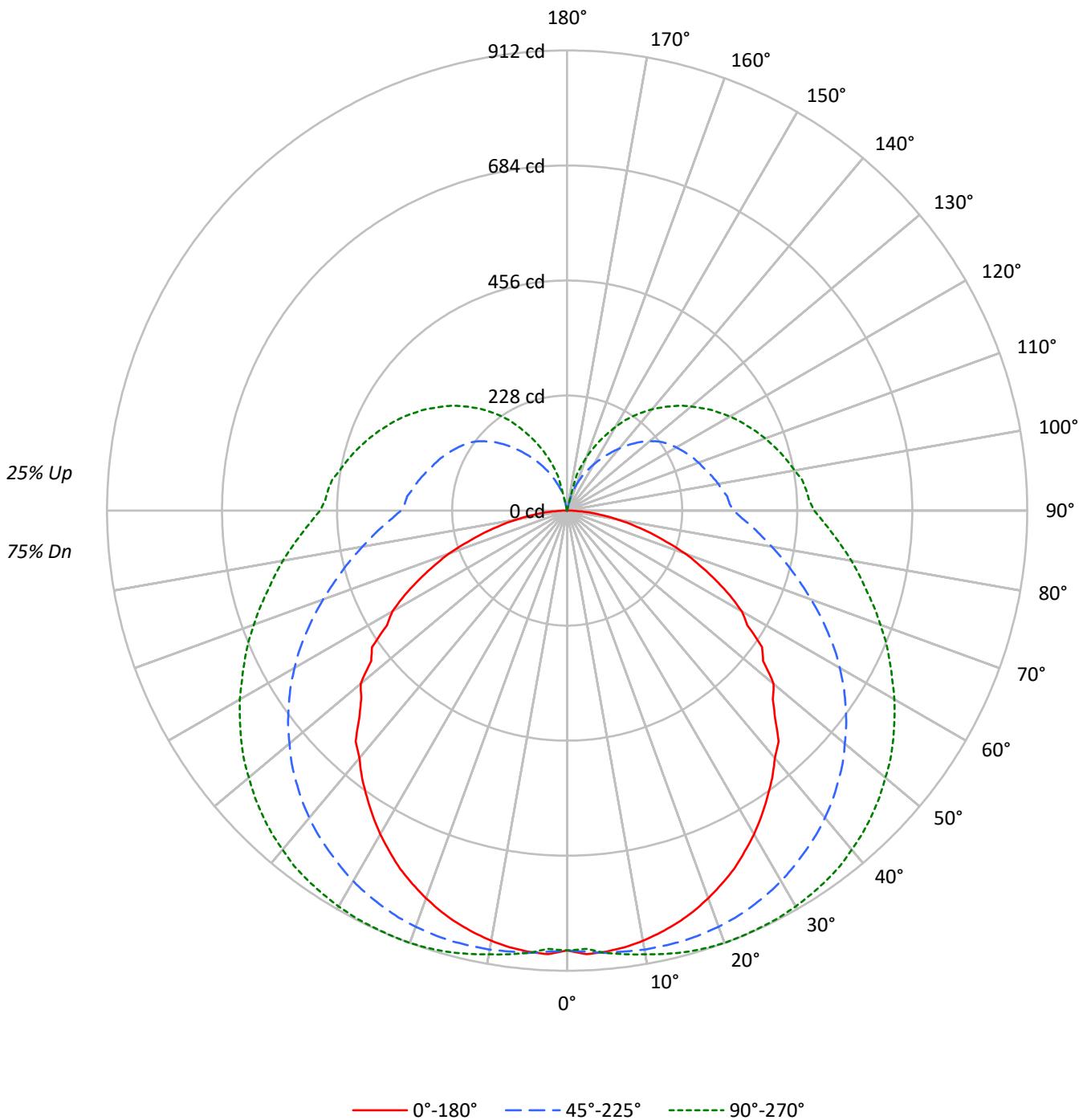
Lumens per Lamp: N/A
Luminaire Lumens: 5020.0 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 50
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60	56
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48	44
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33	30
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28	25
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24	22
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21	19
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19	17
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17	15
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3522	3522	3522
5°	3555	3485	3456
10°	3542	3456	3436
15°	3523	3441	3443
20°	3495	3429	3449
25°	3467	3419	3455
30°	3425	3412	3474
35°	3378	3403	3497
40°	3335	3404	3520
45°	3278	3401	3548
50°	3298	3397	3576
55°	3251	3402	3619
60°	3146	3410	3668
65°	2990	3420	3736
70°	2819	3453	3842
75°	2506	3544	3996
80°	2167	3730	4255
85°	1715	4101	4631



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.8	1.7
10°-20°	248.3	4.9
20°-30°	394.7	7.9
30°-40°	506.6	10.1
40°-50°	572.0	11.4
50°-60°	583.7	11.6
60°-70°	540.8	10.8
70°-80°	457.8	9.1
80°-90°	365.4	7.3
90°-100°	310.3	6.2
100°-110°	276.5	5.5
110°-120°	235.5	4.7
120°-130°	187.0	3.7
130°-140°	132.7	2.6
140°-150°	79.2	1.6
150°-160°	36.9	0.7
160°-170°	8.8	0.2
170°-180°	0.0	0.0
0°-30°	726.8	14.5
0°-40°	1233.4	24.6
0°-60°	2389.1	47.6
0°-90°	3753.2	74.8
90°-120°	822.3	16.4
90°-150°	1221.2	24.3
90°-180°	1267.0	25.2
0°-180°	5020.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	872	872	872	872	872	
5°	878	871	880	880	880	83
15°	846	853	884	900	906	239
25°	783	809	866	896	911	361
35°	692	743	823	874	895	433
45°	583	662	760	826	854	453
55°	472	551	674	756	789	414
65°	323	431	570	668	705	321
75°	170	301	461	574	615	181
85°	44	194	368	487	528	48
90°	2	158	329	448	490	4
95°	0	149	318	435	475	0
105°	0	137	290	400	439	0
115°	0	127	264	360	395	0
125°	0	110	235	317	348	0
135°	0	81	189	268	292	0
145°	0	53	132	200	229	0
155°	1	33	81	123	152	1
165°	1	18	37	51	72	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	871.7	871.7	871.7	871.7	871.7
2.5°	880.0	870.6	875.3	874.1	869.4
5°	877.6	870.6	880.0	880.0	880.0
7.5°	872.9	868.2	881.2	885.9	887.1
10°	865.8	865.8	883.5	890.6	893.0
12.5°	856.4	859.9	883.5	894.2	900.0
15°	845.8	852.9	883.5	900.0	905.9
17.5°	832.8	844.6	881.2	901.2	909.5
20°	817.5	835.2	877.6	901.2	911.8
22.5°	801.0	823.4	872.9	898.9	911.8
25°	783.3	809.2	865.8	896.5	910.7
27.5°	762.0	795.1	857.6	893.0	909.5
30°	740.8	778.5	848.1	888.3	905.9
32.5°	717.2	760.9	836.3	881.2	901.2
35°	692.4	743.2	823.4	874.1	895.3
37.5°	667.7	721.9	810.4	864.7	888.3
40°	640.5	700.7	795.1	852.9	877.6
42.5°	620.5	678.3	778.5	841.1	867.0
45°	582.7	661.8	759.7	825.7	854.0
47.5°	553.2	629.9	740.8	810.4	839.9
50°	534.4	604.0	718.4	792.7	823.4
52.5°	489.5	586.3	697.2	775.0	808.0
55°	471.8	550.9	673.6	756.1	789.2
57.5°	423.5	526.1	650.0	734.9	769.1
60°	399.9	491.9	624.0	713.7	749.1
62.5°	363.3	462.4	598.1	690.1	726.6
65°	323.2	430.6	569.8	667.7	705.4
67.5°	285.5	398.7	542.6	644.1	684.2
70°	248.9	365.7	514.3	620.5	660.6
72.5°	206.4	332.7	487.2	598.1	638.2
75°	169.9	300.8	461.2	574.5	614.6
77.5°	134.5	270.1	436.5	553.2	593.3
80°	101.4	240.6	411.7	530.8	572.1
82.5°	70.8	215.9	389.3	509.6	549.7
85°	43.6	193.5	368.0	487.2	528.5
87.5°	20.1	173.4	346.8	465.9	508.4
90°	2.4	158.1	329.1	448.3	489.5
92.5°	1.2	153.4	322.0	440.0	480.1
95°	0.0	148.6	318.5	435.3	475.4
97.5°	0.0	143.9	310.2	428.2	469.5
100°	0.0	141.6	304.3	417.6	457.7
102.5°	0.0	138.0	297.3	408.1	448.3
105°	0.0	136.8	290.2	399.9	438.8
107.5°	0.0	134.5	283.1	389.3	428.2
110°	0.0	132.1	277.2	379.8	417.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	129.8	271.3	370.4	407.0
115°	0.0	127.4	264.2	359.8	395.2
117.5°	0.0	123.9	257.2	349.2	384.6
120°	0.0	119.1	250.1	339.7	372.8
122.5°	0.0	114.4	243.0	327.9	359.8
125°	0.0	109.7	234.7	317.3	348.0
127.5°	0.0	102.6	225.3	305.5	333.8
130°	0.0	95.5	213.5	293.7	320.9
132.5°	1.2	88.5	201.7	280.7	307.9
135°	0.0	81.4	188.7	267.8	292.5
137.5°	0.0	75.5	174.6	253.6	277.2
140°	0.0	68.4	160.4	237.1	261.9
142.5°	0.0	60.2	146.3	219.4	245.4
145°	0.0	53.1	132.1	200.5	228.8
147.5°	1.2	47.2	119.1	180.5	211.2
150°	1.2	42.5	106.2	160.4	191.1
152.5°	1.2	37.7	93.2	141.6	171.0
155°	1.2	33.0	81.4	122.7	152.2
157.5°	1.2	28.3	68.4	103.8	132.1
160°	1.2	24.8	56.6	87.3	113.2
162.5°	1.2	21.2	46.0	68.4	93.2
165°	1.2	17.7	36.6	50.7	72.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)